

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1-15. (Canceled)

16. (Currently Amended) A method of controlling transmit power in a call between a first mobile station and a second mobile station in a radio communication system having a first base station in communication with ~~a first~~ the first mobile station and a second base station in communication with ~~a second~~ the second mobile station, said method comprising the steps of:

communicating through an uplink connection from the first mobile station to the first base station utilizing an uplink power;

communicating through a downlink connection from the second base station to the second mobile station utilizing a downlink power;

requesting by the first base station, a first Adaptive Multi-Rate (AMR) coded mode for use on the uplink connection, said first AMR coded mode being associated with an uplink Carrier-to-Interference (C/I) ratio;

requesting by the second mobile station, a second AMR coded mode for use on the downlink connection, said second AMR coded mode being associated with a downlink C/I ratio; and

determining the connection having the highest associated C/I ratio; and

adjusting either the uplink power or the downlink power to a power level lower than an optimal power level for the connection with the highest associated C/I ratio without changing the AMR coded mode for either the uplink connection or the downlink connection.

17. (Previously Presented) The method of claim 16, further comprising adjusting either the uplink power or the downlink power to a power level corresponding to an optimal power level for the connection with the lowest associated C/I ratio.

18. (Previously Presented) The method of claim 16, wherein the step of adjusting either the uplink power or the downlink power includes controlling the uplink power from the first mobile station by a command from the first base station to the first mobile station.

19. (Previously Presented) The method of claim 16, wherein the step of adjusting either the uplink power or the downlink power includes controlling the uplink power from the first mobile station by a command from a base station controller associated with the first base station.

20. (Previously Presented) The method of claim 16, wherein the step of adjusting either the uplink power or the downlink power includes controlling the downlink power from the second base station.

21. (Previously Presented) The method of claim 16, wherein the step of adjusting either the uplink power or the downlink power includes controlling the downlink power from a base station controller associated with the second base station.

22. (Currently Amended) The method of claim 16, wherein the first base station and the second base station are ~~parts of a common base station unit~~ the same base station.

23. (Currently Amended) A method of controlling transmit power in a call between a first mobile station and a second mobile station in a radio communication system having a first base station in communication with ~~a first~~ the first mobile station and a second base station in communication with ~~a second~~ the second mobile station, said method comprising the steps of:

communicating through an uplink connection from the first mobile station to the first base station utilizing an uplink power;

communicating through a downlink connection from the second base station to the second mobile station utilizing a downlink power;

requesting by the first base station, a first Adaptive Multi-Rate (AMR) coded mode for use on the uplink connection;

requesting by the second mobile station, a second AMR coded mode for use on the downlink connection; ~~and~~

determining the connection having the highest AMR coded mode request; and

adjusting either the uplink power or the downlink power to a power level lower than an optimal power level for the connection with the highest AMR coded mode request without changing the AMR coded mode for either the downlink connection or the uplink connection.

24. (Currently Amended) The method of ~~claim 18~~ claim 23, further comprising adjusting either the uplink power or the downlink power to a power level corresponding to an optimal power level for the connection with the lowest AMR coded mode request.

25. (Currently Amended) A radio communication system for conducting a call between a first mobile station and a second mobile station, said system comprising:

a first base station in communication with ~~a first~~ the first mobile station over an uplink connection having an uplink power and an associated uplink Carrier-to-Interference (C/I) ratio;

a second base station in communication with ~~a second~~ the second mobile station over a downlink connection having a downlink power and an associated downlink C/I ratio; and

means for determining for the downlink connection and the uplink connection, the highest associated C/I ratio;

wherein the first base station includes:

means for requesting a first Adaptive Multi-Rate (AMR) coded mode for use on the uplink connection, said first AMR coded mode being associated with an ~~uplink Carrier-to-Interference (C/I)~~ the uplink C/I ratio; and

means for sending an uplink power command to the first mobile station for adjusting the uplink power to a power level lower than an optimal power level for the connection with the highest associated C/I ratio without changing the AMR coded mode associated with the uplink connection; and

wherein the second base station includes:

means for receiving a request from the second mobile station to utilize a second AMR coded mode on the downlink connection, said second AMR coded mode being associated with a ~~downlink~~ the downlink C/I ratio; and

means for adjusting the downlink power to a power level lower than an optimal power level for the connection with the highest associated C/I ratio without changing the AMR coded mode associated with the downlink connection.

26. (Canceled)

27. (Currently Amended) The radio communication system of ~~claim 26~~, claim 28 wherein the first base station and the second base station are ~~parts of a common base station unit~~ the same base station.

28. (New) A radio communication system for conducting a call between a first mobile station and a second mobile station, said system comprising:

a first base station comprising:

means for communicating with the first mobile station over an uplink connection having an uplink power; and

means for requesting a first Adaptive Multi-Rate (AMR) coded mode for use on the uplink connection;

a second base station comprising:

means for communicating with the second mobile station over a downlink connection having a downlink power; and

means for receiving a request from the second mobile station to utilize a second AMR coded mode on the downlink connection; and

means for determining the connection having the highest AMR coded mode request; and

means for instructing either the first mobile station or the second base station to adjust either the uplink power or the downlink power, respectively, to a power level lower than an optimal power level for the connection with the highest AMR coded mode request without changing the AMR coded mode of the uplink connection.